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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/709,846	06/01/2004	Ching-Huei Tsai	NAUP0572USA	3845
27765 7590 NODTH AMEDIC		EXAMINER		
NORTH AMERICA INTELLECTUAL PROPERTY CORPORATION P.O. BOX 506			HU, SHOUXIANG	
MERRIFIELD, VA	FIELD; VA 22116		ART UNIT	PAPER NUMBER
•			2811	
SHORTENED STATUTORY PE	ERIOD OF RESPONSE	NOTIFICATION DATE	DELIVER	Y MODE
3 MONTE	48	03/01/2007	· ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Notice of this Office communication was sent electronically on the above-indicated "Notification Date" and has a shortened statutory period for reply of 3 MONTHS from 03/01/2007.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

winstonhsu@naipo.com



	Application No.	Applicant(s)				
	10/709,846	TSAI, CHING-HUEI				
Office Action Summary	Examiner	Art Unit				
	Shouxiang Hu	2811				
The MAILING DATE of this communication ap Period for Reply	ppears on the cover sheet wi	th the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING ID - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNION 136(a). In no event, however, may a red will expire SIX (6) MON te, cause the application to become AB	CATION. reply be timely filed ITHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).				
Status	•					
1) Responsive to communication(s) filed on 23 /	November 2006.	,				
2a)⊠ This action is FINAL . 2b)□ Thi						
3) Since this application is in condition for allowa	ance except for formal matt	ers, prosecution as to the merits is				
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D). 11, 453 O.G. 213.				
Disposition of Claims						
 4) Claim(s) 1,4-11 and 13-16 is/are pending in the 4a) Of the above claim(s) is/are withdrays of the above claim(s) is/are allowed. 5) Claim(s) is/are allowed. 6) Claim(s) 1, 4-11 and 13-16 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or are subject to restriction and/or are subject. 	awn from consideration.					
Application Papers						
9) The specification is objected to by the Examin	er.					
10) The drawing(s) filed on is/are: a) acceptance	•	-				
Applicant may not request that any objection to the						
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E						
Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign	n priority under 35 U.S.C. §	3 119(a)-(d) or (f).				
a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureat * See the attached detailed Office action for a list	its have been received. Its have been received in Aprity documents have been au (PCT Rule 17.2(a)).	pplication No received in this National Stage				
oce the attached detailed Office action for a 11S	t of the certified copies not	received.				
Attachment(s)						
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08)	Paper No(s	Summary (PTO-413) s)/Mail Date nformal Patent Application				

3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.

6) Other: _____

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 4-11 and 13-16 are rejected under 35 U.S.C. 102(e) as being anticipated by Woo (Woo et al., US 6,620688).

Woo discloses a semiconductor wafer (Figs. 2, 4 and 10), comprising: a substrate (202 and/or 200) with a first region (directly under the plug portion of 238), a second region (directly under the plug portion of 236), and a third region (between the first and second regions) horizontally defined on the surface of the substrate; and

a capacitor disposed on the substrate, the capacitor comprising: a first electrode (232; polysilicon) in the first region and the third region; a first isolation layer (215; a silicon oxide) on the first electrode, the first isolation (215) covering a portion of the first electrode in the third region and the substrate in the second region, but not covering the first electrode in the first region; a second electrode (234; polysilicon) on the first isolation layer, the second electrode covering the first electrode in the third region and covering the substrate in the second region; a second isolation layer (216) covering the

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capacitor and the substrate; a first contact plug (at least the plug portion of 238) located only in the second isolation laver and electrically connected to the first electrode; a second contact plug (at least the plug portion of 236); and, a field oxide layer (218).

Response to Arguments

Applicant's arguments with respect to the claims rejected above have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shouxiang Hu whose telephone number is 571-272-1654. The examiner can normally be reached on Monday through Friday, 8:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard T. Elms can be reached on 571-272-1869. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

SH

February 15, 2007

SHOUXIANG HU